Miguel Jiménez

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EDUCATION

UNIVERSITY OF VICTORIA

Ph.D. in Computer Science
Expected Dec 2020 | Victoria, Canada
GPA: 3.85/4.0
Thesis topic: Continuous software evolution at run-time

UNIVERSIDAD ICESI

M.Sc. in Software Engineering
Aug 2016 | Cali, Colombia
GPA: 3.87/4.0
Thesis: A framework for generating and deploying dynamic performance monitors for self-adaptive systems

B.E. in Systems Engineering
Feb 2014 | Cali, Colombia
Dean's List—Semesters VI, VII, VIII & IX
GPA: 3.21/4.0
Thesis: PaSCAni: A language for V&V of functional requirements at run-time

CONTINUING EDUCATION

- Machine Learning and IoT Foundations—IBM
- Software Engineering Lifecycle of IoT Systems—NSERC CREATE DITA
- Entrepreneurship Laboratory with Mobile Technologies—MIT AITI

LINKS

Github:// **jachinte**
LinkedIn:// **jachinte**

SKILLS

TECHNICAL SKILLS

Architecture Design
Containerized Applications
Continuous Delivery
Cloud Computing
Data mining (basic)
Infrastructure as Code
Language Engineering
Object Oriented Programming
Performance Monitoring
Service Component Architecture
Software Deployment
Web programming

PROGRAMMING

Java • Xtend • JavaScript • CSS • HTML • C • Python • LaTeX • C# • Shell • Android (familiar) • SQL (familiar)

EXPERIENCE

CARVAJAL ESPACIOS | Freelance Developer

2015 | Cali, Colombia

- Developed a web application for the purchasing department to manage raw material catalogs and suppliers, as well as material search statistics for supporting managerial level decision making.

LABORATORIOS LAFRANCOL | Freelance Developer

2015 | Cali, Colombia

- Developed a web application for the purchasing department to create online auctions and invite partner suppliers to bid.

SQL SOLUCIONES INFORMÁTICAS | Freelance Developer

2012 | Cali, Colombia

- Developed an information system for a premier trolley service for ticket management, printing and selling.

SQL SOLUCIONES INFORMÁTICAS | Software Developer

2009 – 2010 | Cali, Colombia

- Deployed and managed the corporate website, customer support portal and online store
- Developed a content management site for documentation and video tutorials
- Designed advertisement for digital and print marketing campaigns

RESEARCH

RIGI RESEARCH GROUP | Graduate Research Assistant

Aug 2016 – Present | University of Victoria, Canada
Conduct research and collaborate with the development team of IBM Cloud Automation Manager to develop round-trip engineering mechanisms for infrastructure as code, and automate continuous experimentation for deployments on the cloud.

I2T/DRISO RESEARCH GROUP | Graduate Research Assistant

Jan 2014 – Aug 2016 | Universidad Icesi, Colombia
Identified challenges in dynamic performance monitoring of self-adaptive systems and designed and implemented two domain-specific languages for dynamic monitoring and distributed deployment.

HONORS AND AWARDS

2019	Winner of the DITA Hackathon	IBM Canada and York University
2019	Best Poster Presentation	SEMLA and CSER joint poster session
2018	Travel Scholarship (2 times)	CRA-URMD Grad Cohort
2017	UVic Graduate Award (3 times)	University of Victoria
2017	Howard E. Petch Scholarship	University of Victoria
2017	IBM Advanced Studies Grant	IBM
2017	Cleanest Code at HackUVic	Software companies from Victoria, BC
2016	Doctoral Fellowship	University of Victoria
2014	Master's Degree Scholarship	Universidad Icesi
2014	Young Researcher Fellowship	Colombian Department of Science
2014	100% Student Loan Waiver	Colombian Institute of Educational Credit
2013	Top ECAES Exam	Colombian Institute for Higher Education
2009	Bachelor's Degree Scholarship	Universidad Icesi